

course;

memory means for storing data representative of said scenes for each hole on the golf course;

said data stored in said memory means including data representative of three different views for each hole, including: (i) the entirety of said hole, (ii) the approach to a green associated with said hole, and (iii) the green including said hole;

locator means for automatically determining the current location of the portable computer on the golf course; and

processor means, coupled to said locator means, display means and memory means, for causing said display means to display a selected one of said three views [view] and data of the particular hole as determined by its current location on the golf course.

*B3
comd*
14. (Amended) A portable golf computer as defined in claim 1, wherein said display means includes means for displaying the calculated position [a projected trajectory] of a golf ball.

18. (Amended) A portable golf computer comprising:

display means for displaying scenes representative of the geographic layout of a golf course;

*B4
comd*
memory means for storing data representative of a plurality of said scenes for each hole on the golf course;

position sensing means for automatically sensing the location of the portable golf computer on said golf course; and processor means, responsive to said position sensing means, for causing said display means to automatically display a particular [scene] one of the scenes for a particular hole as determined by the sensed location of the portable golf computer at said hole.

19. (Twice Amended)

A portable golf computer comprising:

*B5
comd*
display means for displaying scenes representative of the geographic layout of a golf course[:];

memory means for storing data representative of a plurality of said scenes for each hole on the golf course:;

B5
Conc

position sensing means for sensing the location of the portable golf computer on said golf course [and]:

processor means, responsive to said position sensing means, for causing said display means to display a particular one of the scenes for a particular hole as determined by the sensed location of the portable golf computer at said hole [scene:] ; and
said position sensing means receives a signal from at least one earth orbiting satellite.

36. (Twice Amended) A golf replay apparatus comprising:

B6
Conc

a portable golf computer means for use on a golf course for recording information of an individual player's actual performance while a player plays a game of golf on the golf course; and

a replay means, responsive to said recorded information, for interactively reenacting said game of golf on an electronic display including, means for using an alternate club for at least one stroke and determining the potential effect of such change on the previously played actual performance on the golf course[.];

said replay means altering the result of the player's performance on the hole for which an alternate club has been selected while retaining the player's prior performance on all previously and subsequently played holes.

38. (Amended) A portable golf computer for indicating the user's location on a golf course, comprising:

display means for displaying information representative of the layout of a selected individual hole of a golf course;

means for inputting the daily tee positions at each hole of the golf course;

memory means for storing data representative of a plurality of parameters for each hole on the golf course, including the daily tee positions;

position sensing means which receives a signal from at least one earth orbiting satellite for automatically determining the location of the portable golf computer on the golf course; and

processor means, responsive to said position sensing means, for causing said display means to display information of said individual hole as referenced to the automatically

B7a determined current location of the user on the golf course.

B7 conc 43. (Amended) A portable golf computer as defined in claim 38, further including means for inputting the daily cup [and tee] positions.

49. (Amended) A mobile computer affixed to a movable object for indicating the current location of said movable object within a golf course, comprising:

a GPS receiver carried by said movable object as it traverses about the golf course;
said GPS receiver adapted to receive signals from a plurality of earth orbiting satellites within the GPS system and processing said signals to accurately determine its current location within the golf course, [and]

means for inputting and updating individual player's performance, and
said mobile computer further including means for communicating player's performance
and its GPS determined current location.

53. (Amended) A method for providing a golf course visual display which includes the current location of a movable object on the golf course and assists the golfer's performance on the golf course, including the steps of:

affixing a GPS receiver to the movable object;
processing signals received by the GPS receiver from a plurality of earth orbiting satellites within the GPS system to accurately determine its current location within the golf course;

presenting the current location to a processor means;
C presenting the processor's means with information representative of the individual player's skill;

communicating the current location of the movable object to a visual display; [and]
processing the information presented to the processor to provide the player with
assistance for completing play on the then being play particular hole; and
modifying the visual display to display information including assistance for completing
play on the particular hole from the current location of the movable object.

*Su
C3* 54. (Amended) A portable golf computer comprising:

display means for displaying scenes representative of the geographic layout of a golf course;

memory means for storing data representative of said scene for each hole on the golf course;

said data stored in said memory means including data representative of different locations for each hole, including: (i) the entirety of said hole, (ii) the distance on the fairway between the current location and the hole and (iii) the green including said hole;

locator means which operates in conjunction with a signal means above the surface of and external of the fairway of the hole being played for determining the current location of the portable computer on the golf course; and

processor means, coupled to said display means, locator means and memory means, for causing said display means to display one of the scenes representative of the geographic layout of the golf course, which is determined by the current location of the portable computer on the golf course in conjunction with data representative of the current location on the particular hole.

REMARKS

Applicant wishes to thank the Examiner for the courtesies extended during the interview of April 3, 1995, and particularly for his helpful suggestions for advancing the application towards allowance.

The present application contains claims 1-54. In accordance with the agreements reached with the Examiner, claims 1, 18, 36 and 54 are being amended to place them in allowable form. In addition, claims 2-17, 19-24 and 37, dependent upon these allowable claims are likewise in condition for allowance.

Subsequent to the interview, applicant and his undersigned attorney were informed of WIPO publication 93/12439 of June 24, 1993. This publication is herewith being submitted in an Information Disclosure Statement, together with applicant's Declaration under 37 C.F.R. 1.131 with respect to that reference. For purposes of fully complying with the requirements of